

● Product specification (design and specification subject to change without notice)

■ Compatible slot

Intel® SDM SLOT specification compatible

■ Terminal (I/F)

Connecting terminals	Two SFP ports MSA compliant
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■ Compatible signal *refer to the correspondence table

Input	Single link HD-SDI signal SMPTE ST 292 compliant Single link 3G-SDI signal SMPTE ST 424 compliant Single link 12G-SDI signal SMPTE ST 2082-1, 2082-10 compliant
Output	The signal input to the <SDI OPT 1 IN> terminal or the <SDI OPT 2 IN> terminal is output from the <SDI OPT OUT> terminal (active through output).

■ Mechanical

Dimensions (W x D x H)	W 195 mm × D 123.2 mm × H 25 mm (7-11/16" x 4-27/32" x 31/32")
Weight	200 g / 7.1 ozs.

● This product is a 12G-SDI optical function board that can be used by attaching it to our projectors.

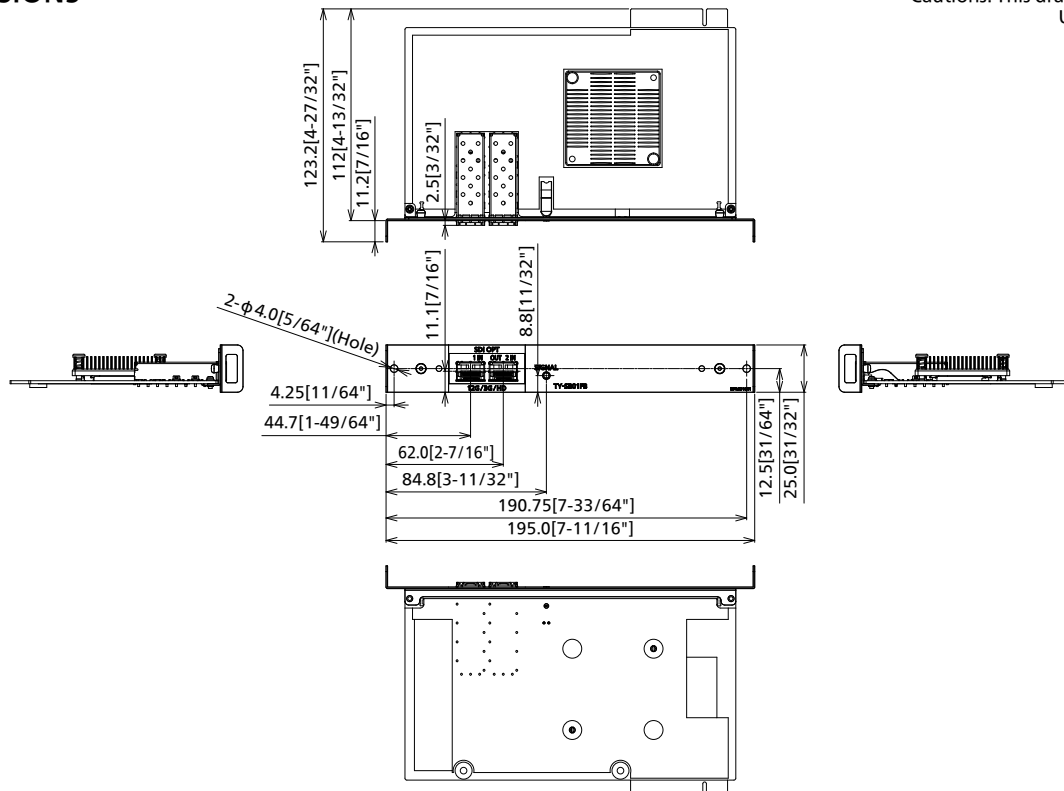
* This product does not work by itself.

* This product will not work if it is installed on a product other than the corresponding models.

* Please consult with a professional engineer or dealer to install or remove this product from the projector.

● DIMENSIONS

Cautions: This drawing is not a scale
Units : mm (inches)



Applicable Input Signals

The following table describes the video signals supported by this Interface Board.

This Interface Board supports only the single link SDI signal. The dual link SDI signal and the quad link SDI signals are not supported. Also, the image may not display correctly depending on the specification of the SFP module in use. Install the SFP module appropriate for the video signal to be input.

•The content of the 4K division column is as follows.

-IL: Interleave (transmission format of 2-Sample Interleave Division)

Signal name (SIGNAL FORMAT)	Resolution (Dots)	Scanning freq.		Dot clock freq. (MHz)	4K division	Format	Color format	Sampling
		Horizontal (kHz)	Vertical (Hz)					
720/60p	1280 x 720	45.0	60.0 ¹	74.3	-	HD-SDI	YP _B Pr	4:2:2 10bit
720/50p	1280 x 720	37.5	50.0	74.3	-	HD-SDI	YP _B Pr	4:2:2 10bit
1080/60i	1920 x 1080i	33.8	60.0 ¹	74.3	-	HD-SDI	YP _B Pr	4:2:2 10bit
	1920 x 1080i	33.8	60.0 ¹	74.3	-	3G-SDI Level-A	RGB	4:4:4 10bit
	1920 x 1080i	33.8	60.0 ¹	74.3	-	3G-SDI Level-B	RGB	4:4:4 10bit
	1920 x 1080i	33.8	60.0 ¹	74.3	-	3G-SDI Level-A	RGB	4:4:4 12bit
	1920 x 1080i	33.8	60.0 ¹	74.3	-	3G-SDI Level-B	RGB	4:4:4 12bit
1080/50i	1920 x 1080i	28.1	50.0	74.3	-	HD-SDI	YP _B Pr	4:2:2 10bit
	1920 x 1080i	28.1	50.0	74.3	-	3G-SDI Level-A	RGB	4:4:4 10bit
	1920 x 1080i	28.1	50.0	74.3	-	3G-SDI Level-B	RGB	4:4:4 10bit
	1920 x 1080i	28.1	50.0	74.3	-	3G-SDI Level-A	RGB	4:4:4 12bit
	1920 x 1080i	28.1	50.0	74.3	-	3G-SDI Level-B	RGB	4:4:4 12bit
1080/24p	1920 x 1080	27.0	24.0 ¹	74.3	-	HD-SDI	YP _B Pr	4:2:2 10bit
	1920 x 1080	27.0	24.0 ¹	74.3	-	3G-SDI Level-A	RGB	4:4:4 10bit
	1920 x 1080	27.0	24.0 ¹	74.3	-	3G-SDI Level-B	RGB	4:4:4 10bit
	1920 x 1080	27.0	24.0 ¹	74.3	-	3G-SDI Level-A	RGB	4:4:4 12bit
	1920 x 1080	27.0	24.0 ¹	74.3	-	3G-SDI Level-B	RGB	4:4:4 12bit
1080/24sF	1920 x 1080i	27.0	48.0 ¹	74.3	-	HD-SDI	YP _B Pr	4:2:2 10bit
	1920 x 1080i	27.0	48.0 ¹	74.3	-	3G-SDI Level-A	RGB	4:4:4 10bit
	1920 x 1080i	27.0	48.0 ¹	74.3	-	3G-SDI Level-B	RGB	4:4:4 10bit
	1920 x 1080i	27.0	48.0 ¹	74.3	-	3G-SDI Level-A	RGB	4:4:4 12bit
	1920 x 1080i	27.0	48.0 ¹	74.3	-	3G-SDI Level-B	RGB	4:4:4 12bit
1080/25p	1920 x 1080	28.1	25.0	74.3	-	HD-SDI	YP _B Pr	4:2:2 10bit
	1920 x 1080	28.1	25.0	74.3	-	3G-SDI Level-A	RGB	4:4:4 10bit
	1920 x 1080	28.1	25.0	74.3	-	3G-SDI Level-B	RGB	4:4:4 10bit
	1920 x 1080	28.1	25.0	74.3	-	3G-SDI Level-A	RGB	4:4:4 12bit
	1920 x 1080	28.1	25.0	74.3	-	3G-SDI Level-B	RGB	4:4:4 12bit
1080/30p	1920 x 1080	33.8	30.0 ¹	74.3	-	HD-SDI	YP _B Pr	4:2:2 10bit
	1920 x 1080	33.8	30.0 ¹	74.3	-	3G-SDI Level-A	RGB	4:4:4 10bit
	1920 x 1080	33.8	30.0 ¹	74.3	-	3G-SDI Level-B	RGB	4:4:4 10bit
	1920 x 1080	33.8	30.0 ¹	74.3	-	3G-SDI Level-A	RGB	4:4:4 12bit
	1920 x 1080	33.8	30.0 ¹	74.3	-	3G-SDI Level-B	RGB	4:4:4 12bit
1080/60p	1920 x 1080	67.5	60.0 ¹	148.5	-	3G-SDI Level-A	YP _B Pr	4:2:2 10bit
	1920 x 1080	67.5	60.0 ¹	148.5	-	3G-SDI Level-B	YP _B Pr	4:2:2 10bit
1080/50p	1920 x 1080	56.3	50.0	148.5	-	3G-SDI Level-A	YP _B Pr	4:2:2 10bit
	1920 x 1080	56.3	50.0	148.5	-	3G-SDI Level-B	YP _B Pr	4:2:2 10bit
2K/24p	2048 x 1080	27.0	24.0 ¹	74.3	-	3G-SDI Level-A	RGB	4:4:4 10bit
	2048 x 1080	27.0	24.0 ¹	74.3	-	3G-SDI Level-B	RGB	4:4:4 10bit
	2048 x 1080	27.0	24.0 ¹	74.3	-	3G-SDI Level-A	RGB	4:4:4 12bit
	2048 x 1080	27.0	24.0 ¹	74.3	-	3G-SDI Level-B	RGB	4:4:4 12bit
2K/25p	2048 x 1080	28.1	25.0	74.3	-	3G-SDI Level-A	RGB	4:4:4 10bit
	2048 x 1080	28.1	25.0	74.3	-	3G-SDI Level-B	RGB	4:4:4 10bit
	2048 x 1080	28.1	25.0	74.3	-	3G-SDI Level-A	RGB	4:4:4 12bit
	2048 x 1080	28.1	25.0	74.3	-	3G-SDI Level-B	RGB	4:4:4 12bit
2K/30p	2048 x 1080	33.8	30.0 ¹	74.3	-	3G-SDI Level-A	RGB	4:4:4 10bit
	2048 x 1080	33.8	30.0 ¹	74.3	-	3G-SDI Level-B	RGB	4:4:4 10bit
	2048 x 1080	33.8	30.0 ¹	74.3	-	3G-SDI Level-A	RGB	4:4:4 12bit
	2048 x 1080	33.8	30.0 ¹	74.3	-	3G-SDI Level-B	RGB	4:4:4 12bit
2K/48p	2048 x 1080	54.0	48.0 ¹	148.5	-	3G-SDI Level-A	YP _B Pr	4:2:2 10bit
	2048 x 1080	54.0	48.0 ¹	148.5	-	3G-SDI Level-B	YP _B Pr	4:2:2 10bit
2K/60p	2048 x 1080	67.5	60.0 ¹	148.5	-	3G-SDI Level-A	YP _B Pr	4:2:2 10bit
	2048 x 1080	67.5	60.0 ¹	148.5	-	3G-SDI Level-B	YP _B Pr	4:2:2 10bit
2K/50p	2048 x 1080	56.3	50.0	148.5	-	3G-SDI Level-A	YP _B Pr	4:2:2 10bit
	2048 x 1080	56.3	50.0	148.5	-	3G-SDI Level-B	YP _B Pr	4:2:2 10bit

Signal name (SIGNAL FORMAT)	Resolution (Dots)	Scanning freq.		Dot clock freq. (MHz)	4K division	Format	Color format	Sampling
		Horizontal (kHz)	Vertical (Hz)					
3840 x 2160/24p	3840 x 2160	54.0	24.0 ¹	297.0	IL	12G-SDI Type 1	YP _B Pr	4:2:2 12bit
	3840 x 2160	54.0	24.0 ¹	297.0	IL	12G-SDI Type 1	YP _B Pr	4:4:4 10bit
	3840 x 2160	54.0	24.0 ¹	297.0	IL	12G-SDI Type 1	YP _B Pr	4:4:4 12bit
	3840 x 2160	54.0	24.0 ¹	297.0	IL	12G-SDI Type 1	RGB	4:4:4 10bit
	3840 x 2160	54.0	24.0 ¹	297.0	IL	12G-SDI Type 1	RGB	4:4:4 12bit
3840 x 2160/25p	3840 x 2160	56.3	25.0	297.0	IL	12G-SDI Type 1	YP _B Pr	4:2:2 12bit
	3840 x 2160	56.3	25.0	297.0	IL	12G-SDI Type 1	YP _B Pr	4:4:4 10bit
	3840 x 2160	56.3	25.0	297.0	IL	12G-SDI Type 1	YP _B Pr	4:4:4 12bit
	3840 x 2160	56.3	25.0	297.0	IL	12G-SDI Type 1	RGB	4:4:4 10bit
	3840 x 2160	56.3	25.0	297.0	IL	12G-SDI Type 1	RGB	4:4:4 12bit
3840 x 2160/30p	3840 x 2160	67.5	30.0 ¹	297.0	IL	12G-SDI Type 1	YP _B Pr	4:2:2 12bit
	3840 x 2160	67.5	30.0 ¹	297.0	IL	12G-SDI Type 1	YP _B Pr	4:4:4 10bit
	3840 x 2160	67.5	30.0 ¹	297.0	IL	12G-SDI Type 1	YP _B Pr	4:4:4 12bit
	3840 x 2160	67.5	30.0 ¹	297.0	IL	12G-SDI Type 1	RGB	4:4:4 10bit
	3840 x 2160	67.5	30.0 ¹	297.0	IL	12G-SDI Type 1	RGB	4:4:4 12bit
3840 x 2160/60p	3840 x 2160	135.0	60.0 ¹	594.0	IL	12G-SDI Type 1	YP _B Pr	4:2:2 10bit
3840 x 2160/50p	3840 x 2160	112.5	50.0	594.0	IL	12G-SDI Type 1	YP _B Pr	4:2:2 10bit
4096 x 2160/24p	4096 x 2160	54.0	24.0 ¹	297.0	IL	12G-SDI Type 1	YP _B Pr	4:2:2 12bit
	4096 x 2160	54.0	24.0 ¹	297.0	IL	12G-SDI Type 1	YP _B Pr	4:4:4 10bit
	4096 x 2160	54.0	24.0 ¹	297.0	IL	12G-SDI Type 1	YP _B Pr	4:4:4 12bit
	4096 x 2160	54.0	24.0 ¹	297.0	IL	12G-SDI Type 1	RGB	4:4:4 10bit
	4096 x 2160	54.0	24.0 ¹	297.0	IL	12G-SDI Type 1	RGB	4:4:4 12bit
4096 x 2160/25p	4096 x 2160	56.3	25.0	297.0	IL	12G-SDI Type 1	YP _B Pr	4:2:2 12bit
	4096 x 2160	56.3	25.0	297.0	IL	12G-SDI Type 1	YP _B Pr	4:4:4 10bit
	4096 x 2160	56.3	25.0	297.0	IL	12G-SDI Type 1	YP _B Pr	4:4:4 12bit
	4096 x 2160	56.3	25.0	297.0	IL	12G-SDI Type 1	RGB	4:4:4 10bit
	4096 x 2160	56.3	25.0	297.0	IL	12G-SDI Type 1	RGB	4:4:4 12bit
4096 x 2160/30p	4096 x 2160	67.5	30.0 ¹	297.0	IL	12G-SDI Type 1	YP _B Pr	4:2:2 12bit
	4096 x 2160	67.5	30.0 ¹	297.0	IL	12G-SDI Type 1	YP _B Pr	4:4:4 10bit
	4096 x 2160	67.5	30.0 ¹	297.0	IL	12G-SDI Type 1	YP _B Pr	4:4:4 12bit
	4096 x 2160	67.5	30.0 ¹	297.0	IL	12G-SDI Type 1	RGB	4:4:4 10bit
	4096 x 2160	67.5	30.0 ¹	297.0	IL	12G-SDI Type 1	RGB	4:4:4 12bit
4096 x 2160/60p	4096 x 2160	135.0	60.0 ¹	594.0	IL	12G-SDI Type 1	YP _B Pr	4:2:2 10bit
4096 x 2160/50p	4096 x 2160	112.5	50.0	594.0	IL	12G-SDI Type 1	YP _B Pr	4:2:2 10bit

¹ The signal with 1/1.001x vertical scanning frequency is also supported.